

**BOARD OF REGENTS**  
**EASTERN MICHIGAN UNIVERSITY**  
**RECOMMENDATION**

SECTION: 13

DATE: February 9, 2018

**NEW ACADEMIC PROGRAM**

**ACTION REQUESTED**

It is recommended that the Board of Regents approve a New Academic Program: **Finance (Master of Science)**

**SUMMARY**

The *Master of Science in Finance* will develop principled financial professionals who are prepared for a broad range of financial careers with a solid foundation in financial theory and applied financial skills. Graduates will be highly equipped with practical business problem-solving skills and creative thinking to address market challenges and will be committed to the ethical and legal standards that govern the practice of financial services.

**PROPOSAL ELEMENTS**

*Rationale* Demand for finance jobs is increasing due to the increase in regulation and visibility after the subprime mortgage crisis. Additionally, private sector employers require more specialization in areas such as finance, thus creating more demand for MSF degrees and less need for non-specialized MBA degrees.

In addition to strong demand for financial industry jobs, the program's faculty expect the association with the CFA Level 1 Exam curriculum to increase demand for the MSF program. The CFA designation is arguably the most prestigious professional designation in the field of finance. In fact, the top employers of CFAs are some of the world's largest financial institutions. Such employers include JP Morgan Chase, Wells Fargo, Citigroup, HSBC, Credit Suisse, UBS, and RBC. Thus, the proposed MSF program offers students a valuable opportunity to specialize in finance and begin the process towards attaining the CFA designation.

*Program Distinction* Of the fifteen public Michigan universities, only two offer an MSF program, and just one of these is a competitor in Southeast Michigan (University of Michigan-Dearborn).

Our program will be unique in Southeast Michigan, as it offers a complete and updated finance curriculum designed to prepare students to complete the Chartered Financial Analyst Level 1 exam. The program also has a strong focus on data analytics, financial modeling, and statistical analysis. All courses in the program are pure finance courses and will provide our students with the depth and breadth financial employers are demanding in the market.

*Curriculum Design* The program requires students to complete 30-36 credit hours. The program consists of a combination of seminars, lectures, and case studies that meets a standard expectation of graduate students, teaching both theoretical foundations and practical applications. The program's capstone course is designed to prepare students for the CFA Level I Exam.

Each course has specific research components associated with the course material. The data supporting the program will be utilized in each course,

# **BOARD OF REGENTS**

## **EASTERN MICHIGAN UNIVERSITY**

### **RECOMMENDATION**

requiring students to collect and analyze data as appropriate for the course. Also, the program offers a six-credit thesis option, which will enable a student to research a topic and prepare a thesis as part of the program.

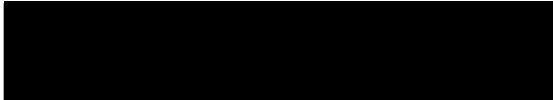
*Projected Enrollment* Based on the development of the tax courses in the Accounting and Finance Department, the MST and MSA programs we expect to start with fifteen students. It is likely that demand will increase significantly and we anticipate fifty to one-hundred students based on the transition in employers demanding Master of Science in Finance degrees over MBA degrees. This is based on the enrollment history of MSA programs.

### **FISCAL IMPLICATIONS**

Program costs will be absorbed by the current Academic Affairs budget.

### **ADMINISTRATIVE RECOMMENDATION**

The proposed Board action has been reviewed and is recommended for Board approval.



University Executive Officer

1/19/18  
Date

# Finance - Master of Science

## New Program

### I. General Proposal Information

\*\*\*Before you begin, please open the **user guide** for this form and **turn on help text** (blue circle w/ white "i")\*\*\*

**Proposed Title\*** Finance

**Proposed Degree Type\*** Master of Science

**Department\*** Accounting and Finance

**College\*** Business

**Contact Person** Karen Ann Craig

**Contact Phone** 734-487-7153

**Contact e-mail** kcraig9@emich.edu

**Program Type\*** ☒ Program  
☐ Shared Core

**Is this a new major, masters, or doctorate program?\*** ☒ Yes ☐ No

To determine the appropriate approval process for this proposal, please answer the following questions. *If you are unsure how to answer these questions please contact the appropriate office or individual for assistance.*

#### Department/School Level

Program Area/UG/Grad Committee Please select the committee(s) below and add the committee's number in the text box.

**Area Committee**

**Area Committee Number**

Graduate or  
Undergraduate  
Committee

Graduate or  
Undergraduate  
Committee  
Number

Check all that  
apply

☐ ESL Program

☐ History Section (HIST/PHIL)

**Curriculum/Instruction Committee** *Will your Department's Instruction/Curriculum Committee need to review this proposal?*

Select "Yes," unless 1) Your department/school is not using Curriculog for committee work. 2) This course is under the purview of the History & Philosophy Department or Physician Assistant Program 3) The proposed revision does not meet the criteria for committee review in your department (See Dept. Head) 4) The committee selected in the previous question is the LAST step before a full department vote or department head approval.

Curriculum  
Committee\*

☐ Yes ☒ No

### College Level

*Faculty Input at the college level will be determined by the Dean's Office in accordance with college input documents.*

### Input Process Review

After completing the Faculty Input questions above, please click "Save."

Review the Steps to Approval on the right side of this screen. The activated steps will appear "open" with participants listed.

Please confirm that the approval steps appear as they should, by clicking "Completed" below.

Process Review\* ☒ Completed

### Faculty Vote Count

*Please wait to complete this section until after faculty vote. Department Head/School Director will complete the section when the proposal reaches their step in the process.*

For 6

Against 0

Abstentions 1

## II. Description

### A. Goals, Objectives, and Student Learning Outcomes

**State the general philosophy and intent of the proposed program.**

**General  
Philosophy\***

The intent of the Master's in Finance Program is to develop principled financial professionals who are prepared for a broad range of financial careers with a solid foundation in financial theory and applied financial skills. Our students will be highly equipped with practical business problem-solving skills and creative thinking to address market challenges and will be committed to the ethical and legal standards that govern the practice of financial services.

**List the goals, objectives, and student learning outcomes as specifically as possible. These should be stated in such a way as to facilitate assessment of whether or not they are being met.**

**Goals,  
Objectives, and  
Student Learning  
Outcomes\***

**Program Goals:**

To provide students with in-depth knowledge of financial theories, applied quantitative techniques and ethics to address complex financial problems.  
To provide students with current practice and application opportunities to solve a range of financial problems.  
To develop leadership, analytic thinking, and effective communication skills in students to enable strategic planning and value maximizing business decisions.  
To prepare students for professional examinations which reinforces their preparedness to function as principled financial professionals.

**Program Objectives:**

Apply quantitative techniques and tools in data analysis to make recommendations related to financial decision making.  
Demonstrate sufficient and broad financial knowledge in investment, fixed income, corporate finance, risk management, and international finance to identify financial problems, formulate conclusions and effectively deliver recommendations  
Develop the ability to research issues, analyze information and identify relevant data to help shape policy and regulations in the practice of financial services.  
Develop hands-on business problem-solving skills and leadership skills with up-to-date practice knowledge to maximize firm value and client wealth.

Develop knowledge of and commitment to the ethical and legal standards to outcomes in financial decision-making and circumstances.

#### **Student Outcomes:**

Students will be fully prepared for the CFA Exam Level I. Students will be able to use analytical methods and quantitative techniques to critically evaluate data and process information that translate evidence into value maximization decisions.

Students will be able to integrate related financial knowledge and current practices to develop effective strategies to financial challenges.

Students will demonstrate collaborative and leadership skills to improve effective communications, enhance value-maximization outcomes and create a positive change in practices of financial services.

Students will have knowledge of the ethics related to the financial industry.

**How do stated goals, objectives, and student learning outcomes reflect current departmental/school, college and divisional goals and university strategic planning directions?**

#### **Goal Relatability\***

The College of Business Mission “supports the economic development of southeastern Michigan by preparing graduates to perform effectively in the global business community.” EMU’s COB endeavors to “develop outstanding business professionals through a rigorous, applied educational experience.”

The MSF program supports this mission by preparing students with financial theory competencies, technology competencies, leadership competencies and ethics competencies. This program also emphasizes on the practical nature of the study that students can learn up-to-date practices and solve real-world financial problems, which also improves their marketability.

Every degree program offered by EMU engage students in collecting, analyzing, and communicating information; in mastering modes of inquiry or creative work; and in developing skills adaptable to changing environments.

**How do stated goals, objectives, and student learning outcomes reflect students performing the skills state above?**

**Student  
Academic Skill  
Development\***

This question was not on the previous New Program proposal form

**B. Program**

Please build the proposed program as it will appear in the catalog.

If this is an undergraduate program, the Catalog Description should include an Introduction followed by a "Learn" and "Opportunities" section.

**Catalog  
Description\***

The Master of Science in Finance develops principled financial professionals who are prepared for a broad range of financial careers with a solid foundation in financial theory and applied financial skills. Our students are highly equipped with practical business problem-solving skills and creative thinking to address market challenges and are committed to the ethical and legal standards that govern the practice of financial services.

**Prospective  
Curriculum\*****Admission Criteria****Admission Requirements**

A GMAT score of 550 or higher, and a minimum GPA of 3.0 will be required for admission into the proposed program. GMAT scores will not be waived for admission.

Table 2 lists the English proficiency test scores required for admission. Students not meeting these minimum requirements will not be admitted. Enrollment in the IEP program is not acceptable due to intensive reading and writing requirements of this program which begin immediately with the first semester of class.

**Table 2: English Proficiency Test Score Requirements**

Skill	Score Minimum
TOEFL	79 iBT
IELTS	6.5
MELAB	77
PTE	53

**Degree Admission**

Complete and submit to the Office of Admissions all required documents and materials. Domestic applicants must order official transcripts from all institutions attended (undergraduate and graduate) to be sent directly to EMU. International applicants must have transcripts evaluated by Educational Perspectives; see

<http://www.edperspective.org/emich/>

The program begins in fall for students that meet the prerequisite requirements. Students without the prerequisite requirements can take them the summer before the fall semester that they start the program. The following priority deadlines have been established for receipt of all application materials required for admission to the MSF program.

Summer Feb. 1 (for prerequisite courses)

Fall May 1 (prerequisite courses already complete)

Please note applications will be accepted after the priority date; however, all open enrollment positions may already be assigned.

Acceptance to the program will be determined by the MSF faculty.

**Conditional Admission**

Domestic students will be admitted under conditional admission with a GMAT score less than 550 but greater than 500 as long as their GPA is greater than 3.5. Students will have one year to maintain a GPA of greater than a 3.25 with no final grades below a B- in order to be taken off of conditional admission status. Students with a GPA less than 3.25 after the first year or a course grade less than a B- will be removed from the program. MSF Faculty will decide conditional admission, only if there is room in the cohort group. International students will not be conditionally admitted.

## Department Information

**Accounting & Finance**, College of Business

Philip Lewis, Ph.D. | *Interim Department Head* | 406 Owen |  
734.487.3320 | [plewis4@emich.edu](mailto:plewis4@emich.edu)

## Advisor Information

Graduate Programs Office | 306 Owen | 734.487.4444  
| [cob.graduate@emich.edu](mailto:cob.graduate@emich.edu)

## Degree Requirements: 30-36 hours

*Students must maintain a minimum GPA of 3.25.*

## Core Requirements: 30 hours

FIN 500 Quantitative Methods in Finance (new course)  
FIN 503 Corporate Finance (new course)  
FIN 615 Financial Markets and Institutions  
FIN 625 Securities Analysis  
FIN 630 Fixed Income Analysis (new course)  
FIN 635 Portfolio Management (new course)  
FIN 640 Financial Statement Analysis (new course)  
FIN 660 Advanced Financial Management  
FIN 670 Risk Management with Derivatives  
FIN 690 MSF Capstone (new course)

## Thesis (Optional): 0-6 hours

In addition to the core 30 credit hour required courses, students can take an optional 6 credits of thesis, obtained by taking FIN699 for 3 credits during the fall semester of their second year and FIN699 for 3 credits during the winter semester of their second year.

FIN 699 Independent Study

Does the proposed program have concentrations? \* ☐ Yes ☐ No ☒ This is a Graduate Program

*If yes, each concentration will be assigned a Banner code and appear on a student's transcript. A student will declare their major and concentration at the same time.*

**Describe the Program Delivery Plan i.e. whether it will be offered on or off campus, online, evenings and/or Saturdays. If courses are to be offered on Saturday, online or off campus, include evidence of support from Continuing Education as an attachment.**

**Program Delivery Plan \***

In general, the MSF program will be offered on-campus and in the evenings, during the week. Some hybrid courses may be included in the program. For example, the new Capstone Course can be a combination of on-campus classes with online CFA test review and FIN670 may use an online derivatives trading simulator. However, due to the importance of Bloomberg in strengthening the students' education, and the fact Bloomberg can only be accessed through specific terminals, this program will not have any online courses.

**Outline a typical program of study a student would follow in completing the program.**

A graduate student in the proposed program would take two courses per semester (Fall, Winter, Summer) in order to complete the proposed program in two years. Table 1 below lists the sequence of courses that a typical student would take in the proposed program.

**Table 1. Typical sequence of courses for graduate students in proposed program**

	Term	# Courses	Course Title
Yr. 1	Fall	2	Quant. Methods in Finance, Corporate Finance
	Winter	2	Financial Markets & Institutions, Security Analysis
	Summer	2	Portfolio Management, Financial Statement Analysis
Yr. 2	Fall	2	Risk Management, Fixed Income Analysis
	Winter	2	Adv. Fin. Mgmt, MSF Capstone Course

**Interdisciplinary Programs:**

In which department/school or college will the program be administered? If more than one department/school or college will be participating in the program, provide evidence of support from all participating departments/schools and/or colleges.

#### **Interdisciplinary Programs**

#### **Undergraduate Programs:**

Indicate the minimum number of total credit hours that students completing the program should have taken by the time they graduate.

#### **Graduate Programs:**

Indicate how the proposed program will assure graduate-level study (utilization of seminars, thesis, independent study, courses open only to graduate students, etc.).

How will the program incorporate an adequate emphasis on research?

#### **Additional Questions\***

Indicate how the proposed program will assure graduate-level study (utilization of seminars, thesis, independent study, courses open only to graduate students, etc.)

The proposed program will only be taken by graduate students and will consist of a combination of seminars, lectures, and case studies that meets a standard expectation of graduate students. The graduate courses will consist of theoretical foundations and practical applications. In addition, many of the courses that are included in the curriculum such as FIN 615 and FIN670, are open only to graduate students.

In addition, in the final stage of the program, students will complete a capstone class designed to better prepare them for the CFA Level I Exam.

How will the program incorporate an adequate emphasis on research?

Each course within the program has specific research components associated with the course material. The data supporting the MSF program will be utilized in each course, requiring students to collect

data and analyze the data as appropriate for the course. As part of FIN500, students will learn regression analysis and how to write code to analyze the data they collect. In addition, the program offers an 6 credit thesis option which will enables students to research a topic and prepare a thesis as part of the program.

### **C. Admission**

#### **Undergraduate programs:**

Will there be admission requirements to the program beyond those required for admission to the University? If so, what are they (e.g., admission to the Initial Teacher Preparation Program or Business, GPA, national examinations, interviews, letters of recommendation, etc.)?

Will there be conditional admission to the program? If so, what requirements will be established that are different from those of regular admission?

#### **Graduate programs:**

What are the requirements for full admission into the program beyond the minimum Graduate School requirements (GPA, national examinations, interviews, letters of recommendation, etc.)?

Will there be conditional admission to the program? If so, what requirements will be established that are different from those of regular admission?

If applicable, please include International Student requirements

*If general admission to EMU is the only requirement, please type "General Admission" in both boxes*

#### **Requirements\***

A GMAT score of 550 or higher, and a minimum GPA of 3.0 will be required for admission into the proposed program. GMAT scores will not be waived for admission. Table 2 lists the English proficiency test scores required for admission. Students not meeting these minimum requirements will not be admitted. Enrollment in the IEP program is not acceptable due to intensive reading and writing requirements of this program which begin immediately with the first semester of class.

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#### **Process\***

Complete and submit to the Office of Admissions all required documents and materials. Domestic applicants must order official transcripts from all institutions attended (undergraduate and graduate) to be sent directly to EMU. International applicants must have transcripts evaluated by Educational Perspectives; see <http://www.edperspective.org/emich/>

The program begins in fall for students that meet the prerequisite requirements. Students without the prerequisite requirements can take them the summer before the fall semester that they start the program. The following priority deadlines have been established for receipt of all application materials required for admission to the MSF program.

Summer Feb. 1 (for prerequisite courses)

Fall May 1 (prerequisite courses already complete)

Please note applications will be accepted after the priority date; however, all open enrollment positions may already be assigned.

Acceptance to the program will be determined by the MSF faculty.

### **D. Enrollment Projections**

Project the number of students at initial enrollment, average number of students enrolled within three years, average number of graduates per year once the program is established, etc.

Project scheduling needs and patterns for the next three to five years

#### **Projections\***

Project the number of students at initial enrollment, average number of students enrolled within three years, average number of graduates per year once program is established, etc.

Based on the development of the tax courses in the Accounting and Finance Department, the MST and MSA programs we expect to start with fifteen students. It is expected that our demand will increase significantly and we anticipate fifty to one-hundred students based on the transition in

employers demanding Masters of Science in Finance degrees over MBA degrees. This is based on the enrollment history for the MSA programs.

**Project scheduling needs and patterns for the next three to five years.**

The program is divided into Cohorts. Every year will add a new 1st Year Cohort and the 1st Year Cohort will move up to be the 2nd Year Cohort. We have adopted a lock-step method of courses to facilitate an efficient completion of the program which will enable students to graduate within the scheduled two year cohort time period. Table 3 lays out a five-year schedule depicting the classes taught each semester. If demand requires that we have two cohorts per year then two separate courses of those listed below will be offered. This schedule may change slightly prior to implementation to coordinate scheduling of faculty undergraduate course loads with MSF program course loads.

**Table 3: Five Year Scheduling Outlook**

	Fall	Winter	Summer
<b>Year 1</b>	<b>FIN 500</b> <b>FIN 503</b> <b>ACC 501 (if required)</b>	<b>FIN 615</b> <b>FIN 625</b> <b>ECON 500 (if required)</b>	<b>FIN 635</b> <b>FIN 640</b>
<b>Year 2</b>	<b>FIN 500</b> <b>FIN 503</b> <b>ACC 501 (if required)</b> <b>FIN 630</b> <b>FIN 670</b> <b>FIN 699 (thesis track only)</b>	<b>FIN 615</b> <b>FIN 625</b> <b>ECON 500 (if required)</b> <b>FIN 660</b> <b>FIN 690</b> <b>FIN 699 (thesis track only)</b>	<b>FIN 635</b> <b>FIN 640</b>
<b>Year 3</b>	<b>FIN 500</b> <b>FIN 503</b> <b>ACC 501 (if required)</b> <b>FIN 630</b> <b>FIN 670</b> <b>FIN 699 (thesis track only)</b>	<b>FIN 615</b> <b>FIN 625</b> <b>ECON 500 (if required)</b> <b>FIN 660</b> <b>FIN 690</b> <b>FIN 699 (thesis track only)</b>	<b>FIN 635</b> <b>FIN 640</b>

	Fall	Winter	Summer
Year 4	FIN 500 FIN 503 ACC 501 (if required) FIN 630 FIN 670 FIN 699 (thesis track only)	FIN 615 FIN 625 ECON 500 (if required) FIN 660 FIN 690 FIN 699 (thesis track only)	FIN 635 FIN 640
Year 5	FIN 500 FIN 503 ACC501 (if required) FIN 630 FIN 670 FIN 699 (thesis track only)	FIN 615 FIN 625 ECON 500 (if required) FIN 660 FIN 690 FIN 699 (thesis track only)	FIN 635 FIN 640

### E. Other Pertinent Information

Other Pertinent Information

### III. Justification/Rationale

This section is included to assure an adequate rationale for the proposed program. *Any additional justification for the program beyond that covered in the following items should also be included.*

A. Present evidence that there is a demand for the proposed program. This should include an indication of professional and societal need, as well as student interest. *(Include any market analysis and/or needs assessment as an attachment.)*

**Program  
Demand\***

Demand for finance jobs is increasing due to the increase in regulation and visibility after the subprime mortgage crisis. Additionally, private sector employers are demanding more specialization in areas such as finance. This is creating more demand for MSF degrees and less demand for non-specialized MBA degrees. The U.S. Bureau of Labor Statistics estimates a 12% increase in financial analyst jobs between 2014 - 2024, which is faster than the average job outlook. U.S. News and World Report lists financial analysts as the #13 best business jobs. They specifically state that financial analysts will have “an advantage in the field by obtaining a certification, like a chartered financial analyst, or by taking advanced courses in subjects related to your specialty.” Moreover, the BLS estimates financial advisors will be one of the top-20 fastest growing occupations between 2014 and 2024. Specifically, the BLS is projecting 30% growth for financial advisory-related occupations. Table 4 lists a few occupations with a finance specialization, their projected change in employment between 2012 and 2022, and their median annual wage.

Table 4: MSF Occupation Examples

Occupation	Employment, 2012	Employment change (percent), projected 2012-2022	Median annual wage, 2013
Financial analysts	253,000	15.5	\$78,380
Personal financial advisors	223,400	27.0	\$75,320
Credit counselors	30,900	20.7	\$40,280
<p><b>Note:</b> The median annual wage for all occupations in 2013 was \$35,080; overall employment is projected to grow about 11 percent between 2012 and 2022.</p> <p><b>Source:</b> U.S. Bureau of Labor Statistics, Occupational Employment Statistics program (wages) and Employment Projections program (employment, projected growth).</p> <p><a href="https://www.bls.gov/careeroutlook/2014/article/financial-specialists.htm">https://www.bls.gov/careeroutlook/2014/article/financial-specialists.htm</a></p>			

In addition to strong demand for financial industry jobs, we expect the association with the CFA Level 1 Exam curriculum to increase demand for the MSF program. The CFA designation is arguably the most prestigious professional designation in the field of finance. The finance occupations listed in the table above are further enhanced with a CFA designation. In fact, the top employers of CFAs are some of the world's largest financial institutions. Such employers include JP Morgan Chase, Wells Fargo, Citigroup, HSBC, Credit Suisse, UBS, and RBC. Thus, the proposed MSF program offers students a valuable opportunity to specialize in finance and begin the process towards attaining the CFA designation.

**B. Indicate whether there any similar programs in Michigan. If so, how is the proposed program unique? Why is there a need for an additional program in the field?**

**Similar Programs\***

Currently, of the fifteen public Michigan universities (including Eastern Michigan University), only two universities in Michigan offer a MSF program and only one of these is a competitor in Southeast Michigan, University of Michigan (Dearborn).

UM-Dearborn requires 10 courses for completion of the 1-year program, including 3 undergraduate/graduate courses that a student may transfer for credit. Additionally, UM- Dearborn's MSF program credits accounting and decision sciences courses towards completion of the program.

The proposed MSF program is unique in Southeast Michigan, as it offers a complete and updated finance curriculum designed to prepare our students to successfully complete the Chartered Financial Analyst Level 1 exam. The program also has a very strong focus on data analytics, financial modeling, and statistical analysis. All courses in the program are pure finance courses and will provide our students with the depth and breadth financial employers are demanding in the market.

**C. Present evidence of support for the proposed program from within and outside the University. (Letters and other supporting documents should be included as an attachment.)**

**Program Support\***

Please see support letters from the Accounting and Finance Department Head and the Dean of the College of Business in the attachments.

**D. Additional justification (if appropriate).**

**Additional justification**

## IV. Preparedness

This section attempts to determine the institution's ability to mount a program of the type proposed. *Any information beyond that covered by the following questions should also be included.*

A. Describe the qualifications of the faculty who will be involved in the proposed program. *Proposals for new graduate majors should include an abbreviated faculty vitae for each individual as an attachment.*

### Faculty Qualifications\*

**Karen Ann Craig, Ph.D.** - Dr. Craig has an expertise in corporate finance, specifically fixed income. She completed her Ph.D. in 2012 and has been a member of the finance faculty since 2015. She teaches courses in corporate finance, markets and institutions and fixed income.

**Alahassane Diallo, Ph.D.** - Dr. Diallo obtained his doctorate from The Ohio State University and has expertise in corporate finance, financial markets and banking. He has been a member of the finance faculty since 1985. He has taught most courses offered in the finance program, at one time or another, and both the graduate and undergraduate levels.

**Robert Kiss, CPA, Ph.D.** - Dr. Kiss has been a member of the finance faculty since 1990. He obtained his Ph.D. from Kent State University and teaches courses in corporate finance, entrepreneurial finance and investments.

**Jodonnis Rodriguez, Ph.D.** - Dr. Rodriguez completed his Ph.D. in 2016 and has been a member of EMU's Accounting & Finance department since 2016. He teaches courses in derivative securities, international finance, and corporate finance.

**Mahmud Rahman, Ph.D.** - Dr. Rahman earned three graduate degrees in Finance: MBA, MA and MS before completing his doctorate in Finance. He joined the finance faculty in 1991. Dr. Rahman currently teaches financial policy, derivative securities, international finance, and financial markets and institutions. His teaching portfolio also includes financial engineering and international banking.

**David Wozniak, Ph.D.** - Dr. Wozniak completed his Ph.D. in Economics and currently teaches Decision Science courses for the College of Business at both the undergraduate and graduate levels.

**Yu Zhang, Ph.D.** - Dr. Zhang completed her Ph.D. in 2010 and has joined the finance faculty at EMU the same year. She has taught investments and corporate finance courses at entry, intermediate and advanced levels.

Three additional faculty for the program (two voluntary phase out replacements and one new faculty), for a total of 9 finance faculty, will be required to support the program, all having a Ph.D. in Finance from an AACSB accredited university. CFA designation is preferred for new faculty, but not required. Preference for hiring new faculty will be based on the teaching area need.

In addition, one lab manager will be required to manage the finance lab. This individual requires a background in finance and will be responsible for managing the Bloomberg terminals, Bloomberg certification training, managing the student workers, managing access to terminals, and maintaining the overall lab access.

**B. Describe current library resources and analyze the adequacy of these resources for the proposed program. Include such items as books, journals, indexes, electronic resources (databases, etc.), multimedia (instructional videos, CDs, etc.) and microforms. *If additional library holdings will be needed in the next three to five years, provide a plan for acquiring them.***

#### **Library Resources\***

##### **Journals and Periodicals:**

Currently, the library already holds subscriptions for JSTOR, ScienceDirect and Web of Science, which would be required for our MSF students. In addition, we would require access to Morningstar Investment Research Center, which is a database that contains fund, market and portfolio information.

##### **Databases:**

Current library resources will need to be improved prior to implementation of the program, EMU technology lags behind other Michigan universities. Western Michigan University, Central Michigan University, Wayne State, Grand Valley State University, Michigan Technological University, Michigan State University and the University of Michigan all have Bloomberg terminals in support of their graduate and undergraduate programs. The Bloomberg terminal is a computer system that provides real-time financial data and is a widely used tool for financial analysts. Our program would not be complete without the acquisition of Bloomberg terminals. As part of the MSF program, all students will be required to complete Bloomberg Market Concepts Certification, a highly sought after skill for students.

Twelve Bloomberg terminals can be obtained for \$72,000 a year. The cost of these terminals can benefit the undergraduate finance and

accounting programs and may be of use to the economics department.

In addition, EMU lags behind other MSF granting institutions as it does not have any data for practical application of financial methods and theory in the classroom and is unable to support graduate research in the classroom. In the state of Michigan, Central Michigan, the University of Michigan – Dearborn, the University of Windsor, Wayne State, the University of Michigan and Michigan State all subscribe to the Wharton Research Data Services (WRDS) and the program will require WRDS to be successful. WRDS allows the collection of large amounts of data from various datasets. These datasets are widely used in academics to support student learning and enable the students to complete projects similar to what employers will expect of them in the job market.

Table 5 details the databases required and where they are expected to be applied in the MSF program.

Table 5: Database Requirements

Course	Database	Application
Quant. Methods in Finance	Bloomberg WRDS	<ul style="list-style-type: none"> <li>• CRSP analysis of stock prices</li> <li>• Evaluation of equities and fixed income securities</li> </ul>
Corporate Finance	N/A	N/A
Fin. Markets & Institutions	Bloomberg	<ul style="list-style-type: none"> <li>• Bloomberg Certification in Currencies • Bloomberg Certification in Economics • U.S. Treasury analysis</li> <li>• International currency analysis</li> <li>• Mutual fund analysis</li> </ul>
Securities Analysis	Bloomberg WRDS Thomson	<ul style="list-style-type: none"> <li>• Bloomberg Certification in Equities • CRSP Stock Prices</li> <li>• Fama French portfolio and factors for</li> </ul>
	Reuters	<p>portfolio evaluation</p> <ul style="list-style-type: none"> <li>• Compustat firm financial data for stock analysis</li> <li>• IBES database for security analysis</li> <li>• SDC new issues for IPO, SEO analysis</li> <li>• 13F and insider filings for mutual fund and portfolio analysis</li> </ul>
Portfolio Analysis	Bloomberg WRDS	<ul style="list-style-type: none"> <li>• CRSP Stock Prices</li> </ul>

	Thomson Reuters	<ul style="list-style-type: none"> <li>• Fama French portfolio and factor for portfolio evaluation</li> <li>• Compustat firm financial data for stock analysis</li> <li>• IBES database for security analysis</li> <li>• SDC new issues for IPO, SEO analysis</li> <li>• 13F and insider filings for mutual fund and portfolio analysis</li> </ul>
Financial Statement Analysis	WRDS	• Compustat annual firm financial data analysis
Fixed Income	Bloomberg WRDS	• Bloomberg Certification in Fixed Income • Bond portfolio creation and management • TRACE Bond trading
Risk Management	Bloomberg	• Analysis of derivative securities • Analysis of stock option trading
Advanced Fin. Management	WRDS	<ul style="list-style-type: none"> <li>• Fama French portfolio and factor for value maximization</li> <li>• Compustat firm financial data for corporate governance</li> </ul>
MSF Capstone	Bloomberg WRDS	• Compustat financial analysis • CRSP stock price analysis

In addition, these databases will help to strengthen other areas of the university. Both undergraduate courses and departmental honors students will benefit from acquisition of these databases. These databases also have the potential to benefit the Accounting Department, Management Department, Economics Department and College of Nursing.

C. Please analyze the adequacy of existing facilities, laboratories, or other physical equipment applicable to the proposed program.

**Existing Facilities\***

In general, the program will not require new facilities. Additional room space should be available for the six new courses that will be offered. The College of Business would need to establish a finance lab location to accommodate the Bloomberg terminals. An additional twenty-five PCs, with SAS and other related software, are required in the finance lab to facilitate the teaching of data analytic skills in the quantitative finance classes.

**D. Determine the adequacy of supportive courses, faculty, and equipment outside of the department that may be important to the program (e.g., cognate courses, research assistance, computer services, facilities controlled by other departments/schools or colleges, etc.).**

**External Support  
Required\***

The current programs in the Department of Accounting and Finance receive adequate support in the area of technology, research assistance and facilities. However, the creation of a finance lab will require additional resources to monitor the terminals, provide technical support and initiate Bloomberg training modules. We expect to have the finance lab available to all students and require student support to maintain the lab. Laboratory hours are expected to be from 9:00 a.m. - 9:30 p.m. Monday through Thursday, with the evening time reserved for MSF classes and MSF students. Friday hours are expected to be from 9:00 a.m. - 5:00 p.m. High quality finance undergraduate students and MSF students will be selected by the MSF faculty to work in the laboratory. Only finance students with Bloomberg experience will be selected to work in the lab due to the technical knowledge required by the position.

**E. Outline a plan for marketing the proposed program and recruiting students into it.**

**Marketing Plan\***

The MSF program will be included in marketing and recruiting efforts conducted on behalf of all EMU College of Business Graduate Programs. A manager of graduate student recruiting has been hired to recruit for and promote all such programs; the recruiter will attend student recruiting fairs at universities and at corporations to actively promote all EMU Graduate Business Programs, including the MSF.

Information on the MSF program will also be shared at on-campus recruiting events such as COB Graduate Programs Information Sessions and EMU Graduate Open Houses. (Names/contact information of interested students will begin to be collected immediately.) After the program has been approved, information will be shared on the COB website and mentioned via social media channels such as Facebook, LinkedIn, and Twitter; we will also include on the my.emich "announcements" page for the maximum allotted time. Flyers announcing the new program will be placed around the COB and at key EMU campus locations, and program information will be displayed in the Academic Services Office. COB faculty will announce in classrooms in order to promote to our current business majors.

The marketing plan for the COB's Graduate Programs includes strategies to utilize the GMAT search services which allow target marketing to individuals who have identified as interested in graduate

business programs and have taken -- or registered to take -- their entrance exam. These search services allow us to target by undergraduate major as well, and so we can specifically market the MSF to accounting and finance majors.

In addition to the above initiatives which are either cost-free or otherwise covered under the strategies to promote the full cache of graduate business programs, \$5,000 has been designated for the promotion of new COB graduate programs, with additional funds available as necessary. Out of the \$5,000 we will design a mailer to send to individuals from the following lists:

Finance undergraduate alumni

Finance undergraduate seniors

Marketing must stress the fact that we are an accredited university and students will be prepared to take the CFA exam after graduation. Marketing should include billboards, television ads and fliers. We should ensure that we can offer CFA scholarships and focus some of the advertising on this.

**F. Will this program be submitted for accreditation? *If yes, please describe below.***

**Accreditation\*** Not provided

**G. Additional information (if appropriate).**

**Additional  
information**

## V. Assessment

Provide a plan for assessing the quality of the program, and a schedule for this assessment. The plan should assure the inclusion of objective data to determine the degree of success in reaching stated goals, objectives, and student learning outcomes.

### Student Learning Outcomes

No Student Learning Outcomes

### Assessment\*

Assessment will include our pass rate on the CFA exam. The CFA Level I pass rate for the last two exams was 42%, which means 42% of the students that sat for the exam passed the exam. We would expect that 40% of our students that sit for the exam pass the exam. This is a realistic number as the burden is on the students to study for the exam while we are responsible for presenting them with the material they need to know for the exam.

## VI. Program Costs

This section attempts to establish the extent of additional funding required if the program is approved.

Faculty, lecturers or supportive staff required (type, level, and approximate cost).

Space or facilities required (type and approximate cost).

Equipment required (type and approximate cost).

Assistantships/fellowships required (number and approximate cost).

Library resources required (type and approximate cost of both minimal and appropriate library resources).

Marketing and recruiting costs

Other costs not covered above (type and approximate cost).

Total of all financial requirements for implementation of proposed degree.

Percentage of total the cost to be borne by Continuing Education. (Provide evidence of Continuing Education's willingness to bear these costs).

### Program Costs\*

This section attempts to establish the extent of additional funding required if the program is approved

A. Faculty, lecturers or supportive staff required (type, level, and approximate cost)

One additional tenure-track faculty with base salary of \$130,000 and one part-time finance lab manager, with the minimum of a bachelors in finance, at an estimated part time salary of \$45,000, will be required, in addition to current faculty. Of the current faculty, we assume the, two phased retirements will be replacements and support the program. In total, nine finance faculty will be required to support the undergraduate program and the addition of the MSF program.

#### B. Space of facilities required

The six new course proposed here will require classroom space in the Owen Building. The third floor computer room is required to establish the finance lab that houses Bloomberg terminals and PC computers for teaching data analytic skills needed for the program and for student project support.

#### C. Equipment required (type and approximate cost)

Required equipment includes proprietary Bloomberg terminals, PC Workstations, printers and screens and projectors to support the finance lab, as detailed in Table 6.

Table 6: Equipment and Costs

Equipment	Number	Cost per Unit	Total Cost
Bloomberg Terminals	12	\$18,000/3 terminals	\$72,000
PC Workstation (Dell)	25	\$2,500/each	\$62,500
PC Software	25	\$1,000	\$25,000
Color Printers (large capacity)	1	\$1,500	\$1,500
Large Screen Projector and Screen	1	\$10,000	\$10,000

A minimum of one package (three terminals) of Bloomberg terminals is required at the start of the winter semester prior to program rollout to ensure complete implementation of the Bloomberg resources into the course material. This also enables training of student workers prior to the start of the program.

Replacement costs should be expected for the PC Workstations and color printer every three to four years as technology progresses and the PCs become obsolete. Software will require updates every three to five years.

It is expected that other programs and departments will want access to Bloomberg and that a process can be established by the university where the MSF program does not bear the total cost of the Bloomberg terminals, but each program utilizing the data can be charged based on the database users.

#### D. Assistantship/fellowships required (number and approximate cost)

Three graduate assistants are required to support six faculty for the program. The costs would be \$12,000 per year for each graduate assistant, plus tuition. Approximately seven student workers with 20 hours/week workload are required to maintain the finance lab and support data analysis activities associated with the lab, both during and outside of the finance lab operating hours. The cost for this would be \$10 an hour for each worker for a total cost of \$800 a week. Lab support is required during fall, winter and summer semester.

E. Library resources required (type and approximate cost of both minimal and appropriate library resources)

Library resources include access to journal databases, Thompson Reuters database and WRDS database. Currently, the library already holds subscriptions for JSTOR, ScienceDirect and Web of Science, which would be required for our MSF students. Therefore, only Morningstar is required to support the program; however, if the library were to discontinue these subscriptions the program would have to shoulder the cost. Library resources and costs are provided in Table 7.

Table 7: Library Resources Required

Item	Annual Cost	Notes
<b>Journal Access</b>		
Morningstar Investment Research Center	\$6,613	Pricing is for 5 simultaneous users
<b>Databases</b>		
Thompson Reuters	\$7,500	Pricing is for 5 simultaneous users
Base WRDS Access	\$43,675	Unlimited users. Student access available at no additional charge.
CRSP	\$22,130	CRSP Stocks/CRSP Compustat Merged; Requires 2-year subscription; Prices do not reflect 25% discount
CRSP/Compustat Merged	\$15,585	
Compustat	\$42,180	AACSB and multi-year discounts available
Dow Jones Average & Total Return Indexes	\$0	Included with WRDS
Fama-French Portfolios & Factors	\$0	Included with WRDS
OTC Corporate Bond Market (TRACE)	\$0	Included with WRDS
Journals Total	\$6,613	
Database Total	\$131,070	Does not include available discounts or cost sharing with other departments..

<b>LIBRARY RESOURCES TOTAL</b>	<b>\$137,683</b>	
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The list provided above is based on the appropriate resources necessary to support the courses described above. Access to this data needs to be acquired at least one full semester prior to program implementation to allow faculty time to integrate the data into course projects and classroom exercises.

It is expected that other departments will desire access to WRDS and that a process can be established by the university where the MSF program does not bear the total cost of the database, but each program utilizing the data can be charged based on the database users.

#### F. Marketing and recruiting costs

Expected marketing costs are limited to those identified in Part III.E

#### G. Other costs not covered above (type and approximate cost)

No additional costs required,

#### H. Total of all financial requirements for implementation of proposed degree.

The total marginal cost of the MSF program is provided in Table 8.

Table 8: Total Program Marginal Costs

Item	Annual Cost	Periodic Cost
Faculty & Staff	\$299,500	\$0
Equipment & Software	\$72,000	\$99,000
Library & Databases	\$137,683	\$0
Marketing	\$5,000	\$0
<b>TOTAL</b>	<b>\$514,183</b>	<b>\$99,000</b>

Cost assumptions and requirements include:

The \$250,000 set aside donated to the COB for a finance trading room will be utilized to support the program startup. This will help offset the periodic costs but is not included in the cost summary.

Two phased retirement faculty are required to support the program but are not included in marginal costs. Multiyear WRDS subscription discounts are not included in the estimate.

A lab manager will be hired to manage the lab during the fall, winter and during summer courses.

Course fees of \$300 per credit hour will be charged for the MSF program.

Course fees will help offset database and Bloomberg costs. Leftover funds will remain

with the MSF program, not the general Accounting and Finance fund.

Net course fees after databases are reserved for MSF program to fund CFA approved calculators for each student, welcome supplies for orientation, fund participation in the CFA Institute Research Challenge, to provide money for a student lead investment fund, and other MSF faculty approved items.

Other departments accessing the databases and Bloomberg terminals will pay for their access. This money shall be deducted from the total course fees being used to support the databases, leaving additional course fee funds available for program support. Lab equipment will require updating every 3 - 5 years. Bloomberg pricing assumes 4 packages of 3 terminals per package.



# EASTERN MICHIGAN UNIVERSITY

March 6, 2017

To: Anne Balazs, Interim Dean  
From: Zafar Khan, Department Head  
Re: Proposed Master of Science Program in Finance

For several years, the finance faculty has been working on a new Master of Science Program in Finance (MSF) to meet the need for a graduate level program in finance in the Southeast Michigan region. The proposed MSF program is carefully crafted to meet the growing need for finance professionals. Recent changes in regulations following the subprime crisis has led to higher demand for finance professionals. However, only two universities in the area, Michigan State University and University of Michigan-Dearborn offer a graduate program in finance.

The proposed MSF program is based on the content requirements for the Chartered Financial Analyst (CFA) certification. Upon graduation the students should be well prepared to take the CFA level I exam. As such, the proposed MSF program is different and probably more attractive to prospective finance professionals.

The proposed MSF program blends theory and practice with hands-on use of technology to provide the students with a solid foundation in financial theory and applied financial skills. Graduates should have the required knowledge, skills, and abilities to develop creative solutions to business problems and committed to the ethical and legal standards that govern the practice of financial services offered by CFA's.

The finance faculty has devoted considerable time and effort to propose an outstanding program with high quality standards that should be a valuable addition to our existing programs. The proposed MSF program meets the University's strategic themes of supporting and fostering high-quality academic and research programs that serve a demonstrated need in the community/region and providing students with the opportunity to engage in purposeful learning and involvement to successfully meet and maximize their education goals. The program is also consistent with the College of Business vision and mission.



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March 14, 2017

Zafar U. Khan, PhD  
Department Head of Accounting and Finance  
and Professor of Accounting  
Eastern Michigan University  
406A Gary M. Owen Building  
Ypsilanti, MI, USA 48197

Dear Dr. Khan:

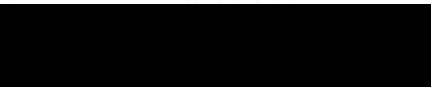
As part of our mission to promote the highest standards of ethics, education and professional excellence, CFA Institute has a long history of working with educational institutions around the world in support of ethics-based investment management education.

We encourage professors and universities to incorporate the CFA Program Candidate Body of Knowledge into their finance and business degree programs to position students well to obtain the Chartered Financial Analyst® designation, which has become the most respected and recognized investment credential in the world.

Our University Recognition Program acknowledges universities that offer degree programs that are closely aligned with the CFA Program. Recognition status serves as a formal endorsement of degree programs by CFA Institute, signaling to potential students, employers and the marketplace that the curriculum is closely tied to professional practice and is well-suited to prepare students to sit for the CFA examinations. Through participation in this program, Eastern Michigan University would also be eligible to receive a limited number of student scholarships each year, significantly discounting the cost of the CFA Program.

We appreciate your interest in the University Recognition Program and hope that you decide to apply. If so, please let me know and we'll send you an application promptly. Please feel free to contact me with any questions you or your colleagues may have.

Kind regards,



Wanda K. McClenahan, CAE  
Director, University Relations, Americas

Revenue forecasts have been completed assuming 25 students in each cohort. Table A-1 provides the forecast assuming 100% Domestic student enrollment. Table 9.b assumes 28% non-resudent student enrollment and Table 9.c assumes 49% non-resident student enrollment.

Table A-1: Revenue Scenarios

Table A-1a: Scenario 1 - 100% In-State Tuition

	Credit Hours	Per Credit Fee	Per Student Fees	No. of Students	Revenue
1st Year Cohort	18	\$630	\$11,340	25	\$283,500
1st Year Course Fees	18	\$300	\$5,400	25	\$135,000
2nd Year Cohort	12	\$630	\$7,560	25	\$189,000
2nd Year Course Fees	12	\$300	<u>\$3,600</u>	25	<u>\$90,000</u>
Totals			\$27,900		\$697,500
		(total program cost per student)		(total annual revenue)	

Table A-1b: Scenario 2 - 28% Non-Resident Tuition

	Credit Hours	Per Credit Fee	Per Student Fees	No. of Students	Revenue
1st Year Resident Cohort	18	\$630	\$11,340	18	\$204,120
1st Year Intl Non-Resident Cohort	18	\$1,160	\$20,880	7	\$146,160
1st Year Course Fees	18	\$300	\$5,400	25	\$135,000
2nd Year Resident Cohort	12	\$630	\$7,560	18	\$136,080
2nd Year Non-Resident Cohort	12	\$1,160	\$13,920	7	\$97,440
2nd Year Course Fees	12	\$300	\$3,600	25	<u>\$90,000</u>
Totals					\$808,800
				(total annual revenue)	
Resident Program Cost per Student			\$27,900		
Non-Resident Program Cost per Student			\$43,800		

Table A-1c: Scenario 3 - 48% Non-Resident Tuition

	Credit Hours	Per Credit Fee	Per Student Fees	No. of Students	Revenue
1st Year Resident Cohort	18	\$630	\$11,340	13	\$147,420
1st Year Intl Non-Resident Cohort	18	\$1,160	\$20,880	12	\$250,560
1st Year Course Fees	18	\$300	\$5,400	25	\$135,000
2nd Year Resident Cohort	12	\$630	\$7,560	13	\$98,280
2nd Year Non-Resident Cohort	12	\$1,160	\$13,920	12	\$167,040
2nd Year Course Fees	12	\$300	\$3,600	25	<u>\$90,000</u>
Totals					\$888,300
				(total annual revenue)	
Resident Program Cost per Student			\$27,900		
Non-Resident Program Cost per Student			\$43,800		

## New Course Descriptions

## Quantitative Methods in Finance

## 2018-2019 Graduate Catalog | Working Draft

### FIN 500 - Quantitative Methods in Finance

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Students will learn mathematical techniques applicable to financial analysis. Topics will include but are not limited to, partial differentiation, matrix algebra, and statistics.

**Credit** 3 hrs *May not be repeated for additional credit*

**Grade Mode** Normal (A-F) **Course Rotation** Fall

**Concurrent Prerequisite(s)** a minimum grade of "B" in [ACC 501](#)

**Corequisite(s)** [FIN 503](#)

**Major Restriction(s)** Master of Science in Finance

**Class-Level Restriction** Masters standing

**Updates** New Course 11/2017, effective Fall 2018

[Fall 2017 Course Schedule](#)

[Winter 2018 Course Schedule](#)

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## Corporate Finance

## 2018-2019 Graduate Catalog | Working Draft

### FIN 503 - Corporate Finance

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The course provides an introduction to the fundamental principles of finance and includes time value of money, bond and stock valuation and capital budgeting. Emphasis is on use of tools, such as Excel, for evaluation and risk analysis.

**Credit** 3 hrs *May not be repeated for additional credit*

**Grade Mode** Normal (A-F) **Course Rotation** Fall

**Concurrent Prerequisite(s)** a minimum grade of "B" in [ACC 501](#)

**Corequisite(s)** [FIN 500](#)

**Major Restriction(s)** Master of Science in Finance

**Class-Level Restriction** Masters standing

**Updates** New Course 11/2017, effective Fall 2018

[Fall 2017 Course Schedule](#)

[Winter 2018 Course Schedule](#)

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## Fixed Income Analysis      2018-2019 Graduate Catalog | Working Draft

### FIN 630 - Fixed Income Analysis

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This course evaluates the fixed income market including corporate bonds, Treasuries, and municipal bonds. Topics include but are not limited to bond pricing, duration, convexity, bond options and the impact of options on risk.

**Credit** 3 hrs *May not be repeated for additional credit*

**Grade Mode** Normal (A-F)

**Prerequisite(s)** a minimum grade of "C" in [FIN 503](#)

**Major Restriction(s)** Master of Science in Finance

**Class-Level Restriction** Masters standing

**Updates** New Course 11/2017, effective Fall 2018

[Fall 2017 Course Schedule](#)

[Winter 2018 Course Schedule](#)

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## Portfolio Management      2018-2019 Graduate Catalog | Working Draft

### FIN 635 - Portfolio Management

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The course includes a review of the investment process and portfolio applications. Asset valuation models are taught in addition to equity, bond, and hybrid portfolio management. Course content includes a review of professional ethics as it relates to portfolio management.

**Credit** 3 hrs *May not be repeated for additional credit*

**Grade Mode** Normal (A-F)

**Prerequisite(s)** A minimum grade of "C" in [FIN 503](#)

**Major Restriction(s)** Master of Science in Finance

**Class-Level Restriction** Masters standing

**Updates** New Course 11/2017, effective Fall 2018

[Fall 2017 Course Schedule](#)

[Winter 2018 Course Schedule](#)

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## Financial Statement Analysis

## 2018-2019 Graduate Catalog | Working Draft

### FIN 640 - Financial Statement Analysis

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This course focuses on the information obtained from financial statements, not on the preparation of financial statements. The course teaches students how to review, interpret and evaluate data in financial statements and statement footnotes from the perspective of a financial analyst.

**Credit** 3 hrs *May not be repeated for additional credit*

**Grade Mode** Normal (A-F)

**Prerequisite(s)** A minimum grade of "C" in [FIN 503](#)

**Major Restriction(s)** Master of Science in Finance

**Class-Level Restriction** Masters standing

**Updates** New Course 11/2017, effective Fall 2018

[Fall 2017 Course Schedule](#)

[Winter 2018 Course Schedule](#)

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## MSF Capstone

## 2018-2019 Graduate Catalog | Working Draft

### FIN 690 - MSF Capstone

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This course is designed to incorporate the breadth of material presented in previous courses in an in-depth analysis of financial statements and markets. Students will review the material covered on the CFA Level I exam as part of this course, to help them understand the format and content of the exam.

**Credit** 3 hrs *May not be repeated for additional credit*

**Grade Mode** Normal (A-F)

**Prerequisite(s)** 24 hours of "FIN" coursework (500-699)

**Major Restriction(s)** Master of Science in Finance

**Class-Level Restriction** Masters standing

**Updates** New Course 11/2017, effective Fall 2018

[Fall 2017 Course Schedule](#)

[Winter 2018 Course Schedule](#)

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## Masters of Science in Finance

Dr. Karen Ann Craig  
Assistant Professor of Finance  
Accounting and Finance Department



### College of Business Mission

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- Supports the economic development of southeastern Michigan by preparing graduates to perform effectively in the global business community.
- Develop outstanding business professionals through a rigorous, applied educational experience.



## Demand for finance professionals

- The U.S. Bureau of Labor Statistics estimates a 12% increase in financial analyst jobs between 2014 – 2024
  - Faster than the average job outlook.
  - Financial advisors will be one of the top-20 fastest growing occupations between 2014 and 2024.
  - Projecting 30% growth for financial advisory-related occupations
- U.S. News and World Report lists financial analysts as the #13 best business jobs.
  - Financial analysts will have “an advantage in the field by obtaining a certification, like a chartered financial analyst, or by taking advanced courses in subjects related to your specialty.”



3

## MSF Occupations

- High demand, high salary

Occupation	Number Employed	Average Salary
Financial Operations Occupations	194,440	\$69,340
Financial Analysts	5,800	\$80,240
Financial Examiners	690	\$72,380
Financial Managers	13,670	\$120,380
Financial Specialists, All Other	4,890	\$68,400
Personal Financial Advisors	4,580	75,320

U.S. Bureau of Labor Statistics as of 2017



4

## MSF Programs (AACSB – Accredited)

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- UM-Dearborn
  - Non-finance foundation and elective courses
  - No cohort system
  - No CFA relationship
  - Not a STEM program
- Michigan State University
  - Higher tuition costs (\$37,500 in-state)
  - CFA Program Partner



5

## Why a MSF?

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- Financial firms increasingly looking for:
  - Subject matter specialization
  - Employees that hold the Certified Financial Analyst designation
- Our MSF program will provide both.



6

## Program structure

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- Cohort program
- Supportive of working professionals
  - 6 credits per semester
  - Evening classes
- Appealing to international students
  - Structured to allow 9 credits per semester
  - Potential STEM designation



7

## Student Benefits

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- Partner with CFA Institute
  - Scholarship opportunities
- Preparation for CFA Level I exam
- Option to complete a thesis to assist in Ph.D. placement



8

## University Benefits

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- Proprietary data for use by multiple programs
  - Bloomberg terminals
  - CRSP stock trades
  - TRACE bond trades
  - Compustat annual reporting data
- Increase in research output
- Secondary benefit of strengthening undergraduate program
- Supports AACSB Scholarly Academic designation
- Appeal to potential faculty members



9

## Concluding Remarks

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Thank you!

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**E**